

**AMENDMENTS TO THE CLAIMS**

74. (Previously Presented) A copper bond pad for a semiconductor device, said bond pad comprising:

a dielectric layer formed over a substrate of said semiconductor device;

a barrier layer formed over said dielectric layer;

a copper layer formed over said barrier layer, said copper layer having an upper surface implanted with titanium, said copper layer having a thickness of about 500 Angstroms to about 20,000 Angstroms; and

an insulating layer over said copper layer.

75. (Currently amended) The copper band pad of Figure 74, wherein said upper surface of said copper layer implanted with titanium has a thickness of about 50 Angstroms to about 200 Angstroms.

76. (Previously Presented) The copper band pad of Figure 74 further comprising a passivation layer formed in contact with said copper layer, wherein said passivation layer is formed of a material selected from the group consisting of silicon oxide, oxynitride, silicon nitride, borophosphosilicate glass and polyimide.

77. (Previously Presented) The copper band pad of Figure 76 further comprising a via formed in said insulating layer and said passivation layer, said via exposing a portion of said copper layer and defining said bonding pad area.

78. (Previously Presented) The copper band pad of Figure 74, wherein said dielectric layer is formed of a material selected from the group consisting of

phosphosilicate glass, borophosphosilicate glass, silicon oxide, silicon nitride, and silicon oxynitride.

79. (Previously Presented) An interconnect structure for a semiconductor die, said interconnect structure comprising:

a conductive bond pad containing a copper layer; and

a titanium-aluminum-copper-nitrogen layer formed over at least an upper surface portion of said copper layer.

80. (Previously Presented) The interconnect structure of claim 79, wherein said copper layer is elemental copper.

81. (Previously Presented) The interconnect structure of claim 79, wherein said copper layer contains a thin copper oxide layer thereon.

82. (Previously Presented) The interconnect structure of claim 81, wherein said copper oxide layer has a thickness not greater than 300 Angstroms.

83. (Previously Presented) The interconnect structure of claim 79 further comprising an electrical conductor bonded to said titanium-aluminum-copper-nitrogen layer.